

## CLAIMS

We claim:

- 1 1. A method comprising:  
2 receiving a sequence of image data to compress; and  
3 specifying scalar quantization with a power of two step size using  
4 three bit values to apply to the sequence of image data.
- 1 2. The method defined in Claim 1 further comprising:  
2 coding bitplanes specified for application of the scalar quantization.
- 1 3. The method defined in Claim 2 wherein non-specified bit  
2 planes are not coded.
- 1 4. The method defined in Claim 1 wherein the three bit values  
2 specify whether to a number of bit planes to truncate.
- 1 5. The method defined in Claim 1 wherein the three bit values  
2 specify 0, 1, 2, 3, 4, 5, 6, or all bit planes for truncation.

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1           6.     The method defined in Claim 1 wherein specifying scalar  
2 quantization comprises specifying scalar quantization for individual frames  
3 of a motion video sequence.

1           7.     The method defined in Claim 6 wherein the video sequence  
2 comprises a motion JPEG 2000 Standard video sequence.

1           8.     The method defined in Claim 1 further comprising writing the  
2 three bit values to a controller to cause the controller to control compression  
3 hardware.

1           9.     An apparatus comprising:  
2           means for receiving a sequence of image data to compress; and  
3           means for specifying scalar quantization with a power of two step  
4 size using three bit values for the compressed data.

1           10.    The apparatus defined in Claim 9 further comprising means  
2 for coding bitplanes specified for application of the scalar quantization.

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- 1 11. The apparatus defined in Claim 9 wherein non-specified bit  
2 planes are not coded.
- 1 12. The apparatus defined in Claim 9 wherein the three bit values  
2 specify whether to a number of bit planes to truncate.
- 1 13. The apparatus defined in Claim 9 wherein the three bit values  
2 specify 0, 1, 2, 3, 4, 5, 6, or all bit planes for truncation.
- 1 14. The apparatus defined in Claim 9 wherein specifying scalar  
2 quantization comprises specifying scalar quantization for individual frames  
3 of a motion video sequence.
- 1 15. The apparatus defined in Claim 14 wherein the video sequence  
2 comprises a motion JPEG 2000 Standard video sequence.
- 1 16. The apparatus defined in Claim 9 further comprising writing  
2 the three bit values to a controller to cause the controller to control  
3 compression hardware.

1 17. An apparatus for compressing image data comprising:  
2 a controller to specify scalar quantization with a power of two step  
3 size using three bit values to be applied to the image data; and  
4 a compressor coupled to the controller to compress a sequence of  
5 image data to create compressed data, the compressor comprising a  
6 quantizer responsive to the scalar quantization specified by the controller to  
7 quantize the image data.

1 18. The apparatus defined in Claim 13 wherein the compressed  
2 data is compliant with the JPEG 2000 Standard.

1 19. The method defined in Claim 17 further comprising: coding  
2 bitplanes specified for application of the scalar quantization.

1 20. An article of manufacture comprising one or more recordable  
2 media having executable instructions stored thereon which, when executed  
3 by a machine, cause the machine to:  
4 receive a sequence of image data to compress; and

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